Quick Start Manual

RADION™ XR30w
REVOLUTIONARY LIGHTING TECHNOLOGY

ECOTECH
MARINE®

www.ecotechmarine.com
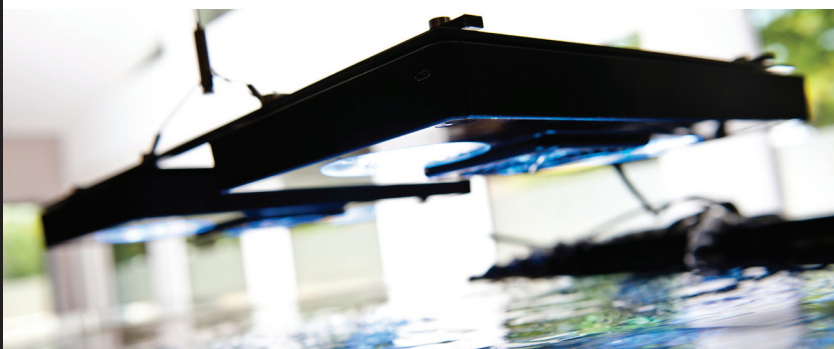
Getting Started

Thank you for purchasing EcoTech Marine's
## Radion™ XR30w *LED Lighting Fixture*

STOP Please read all sections of this manual before attempting to operate the Radion. Without configuration, only BASIC MODE is accessible through the fixture control panel.

STOP WARNING: The Radion light was designed to operate in a warm and humid environment. For optimum performance, do not operate the Radion in a completely enclosed hood.

STOP WARNING: Be careful to not switch lighting conditions for an established reef system abruptly. A gradual transition between lighting technologies is recommended.
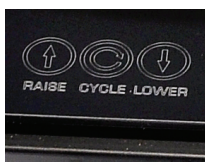
Control Buttons
Three control buttons and an indicator LED make the Radion simple to use. Raise, Cycle and Lower are all capacitive touch buttons that, when pressed with a light touch, will control the Radion.

Mounting Eyelet
The included mounting eyelets allow for easy and versatile mounting of the Radion to best suit your needs. EcoTech provides a premium hanging kit sold separately.

Two LED Clusters
Your Radion XR30w comes with two LED clusters that total 34 LED lights. Each LED cluster is mounted behind a custom-designed reflector and clear protective lens.

USB Cable
Out of the box, your Radion will operate in BASIC mode only. When connected to a computer via USB and interfaced with the EcoSmart™ Configuration Utility, you will have more advanced modes, such as ARTIFICIAL and NATURAL.
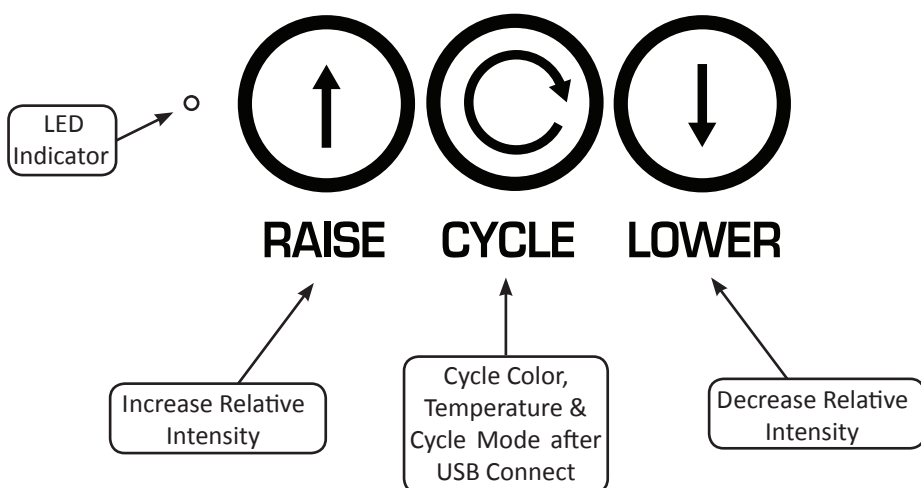
Power Supply
The sleek design of the Radion power supply complements the aesthetic appearance of your Radion. The Radion power supply is also compatible with the EcoTech Marine Battery Backup to ensure your tank is never without light.

STOP For the most up-to-date version of this manual, please visit ecotechmarine.com/support/downloads.
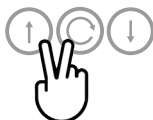
Operation Overview

The Radion™ is controlled directly with three capacitive touch buttons located on the top of the unit. Advanced settings are configurable via USB connection with your computer as described in subsequent pages. Commands for the capacitive buttons are described on page 10.

LED Indicator

RAISE   **CYCLE**   **LOWER**

Increase Relative Intensity

Cycle Color, Temperature & Cycle Mode after USB Connect

Decrease Relative Intensity
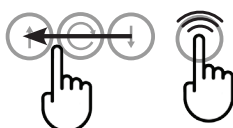
Tap: Touch and remove finger quickly

Hold: Press and hold button

Two-button Hold: Press and hold two specified buttons at once

Three-button Hold: Press and hold all three buttons at once

Swipe & Tap: Move finger across all buttons in a specified direction, then tap a single specified button quickly after swipe

Modes Overview

Out of the box, the Radion™ will function in BASIC MODE. Once the Radion has been configured by USB using the EcoSmart™ Desktop Utility, additional modes, including ARTIFICIAL and NATURAL, can be accessed.

BASIC & DEMO MODES do not require USB Connection

Basic

- Seven popular preset color selections to choose from.
- Intensity of light on preset color selections may be adjusted.
- No automated functionality.
- LED indicator light will breathe yellow.
- Should only be used if connected to an external timer or controller.

Demo

- Cycles through preset color configurations.
- To access this mode:

  Swipe Right and Tap Raise

ARTIFICIAL and NATURAL MODES require USB Connection

Artificial

- Eight popular preset color selections to choose from as well as any custom color.
- Custom daytime periods, sunrise, sunset and night period.
- Color selection and intensity for each period can be overridden using the capacitive touch commands on the fixture.
- Optional storms, clouds, VorTech™ integration and other features.
- LED indicator light will be solid blue.

Natural

- Fully automated 24-hour light cycle modeled on actual reef light conditions.
- Changing color and intensity through the day based on sun position.
- Optional storms, clouds, VorTech™ integration and other features.
- Period override using the capacitive touch commands.
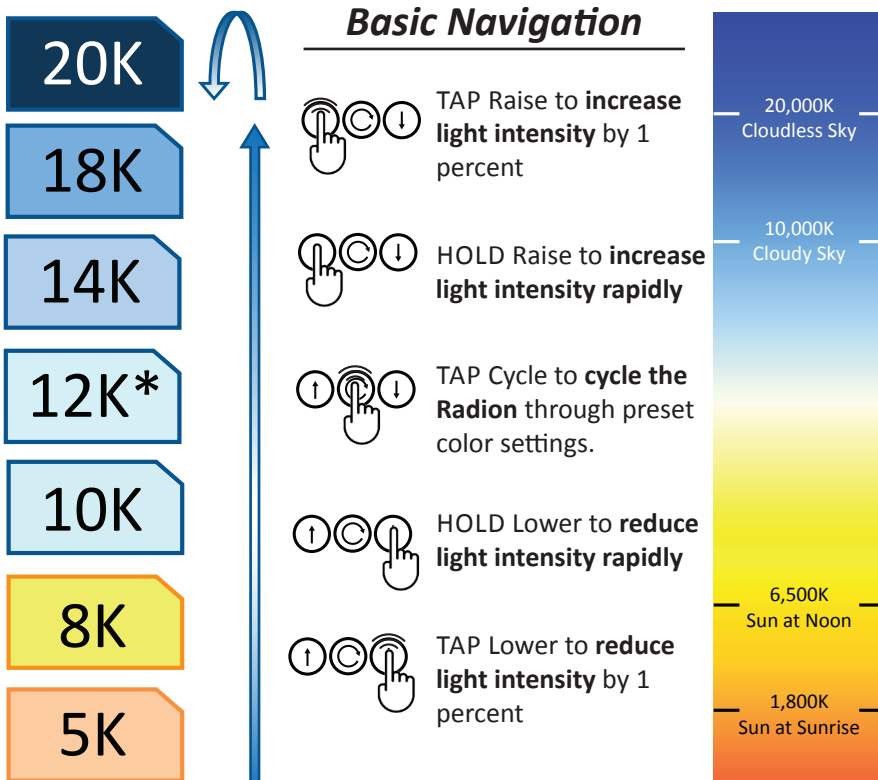- LED indicator light will be solid green.

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Basic Mode

USB PC Connection **NOT** required for this mode.

BASIC MODE is the default mode operating on the Radion™ if it is not USB configured. BASIC MODE should be used with an external controller or timer.

STOP Until a time is set and ARTIFICIAL MODE replaces BASIC MODE through USB PC configuration, the Radion will remain on unless shut off or powered off. (Exposing any living organism to excessive light may result in damage or death.)

Basic Navigation

20K	
18K	
14K	
12K*	
10K	
8K	
5K	

TAP Raise to **increase light intensity** by 1 percent

HOLD Raise to **increase light intensity rapidly**

TAP Cycle to **cycle the Radion** through preset color settings.

HOLD Lower to **reduce light intensity rapidly**

TAP Lower to **reduce light intensity** by 1 percent

20,000K
Cloudless Sky

10,000K
Cloudy Sky

6,500K
Sun at Noon

1,800K
Sun at Sunrise

Kelvin ratings correspond to peaks in the full-spectrum range.

* The Radion will double-beep when it hits the 12K mode which is 100-percent intensity on all channels.
Note: The Kelvin implied is a general rating and may not correspond exactly.

Artificial Mode

ARTIFICIAL MODE is an easily customized and automated mode that allows for completely custom lighting periods throughout the day as well as opt-in weather features.

ARTIFICIAL MODE is enabled through USB connection. The LED indicator light will show a solid blue, that indicates the Radion™ is in **ARTIFICIAL** MODE.
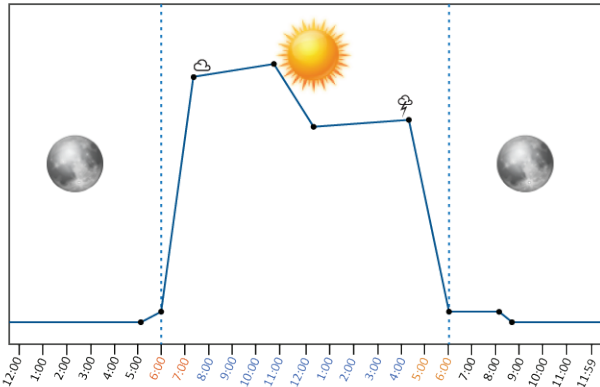
Control Point - In artificial mode, you can set multiple, different user-defined control points to control spectrum and intensity throughout the day.

Predefined Custom Lighting Conditions - Predefined color schemes mimic popular lighting spectrum compositions.

ARTIFICIAL MODE allows you to build a light schedule that includes both optimized growth and viewing conditions that fit your daily schedule.

Advanced Lighting Features - Define sunrise, sunset and periods of cloud cover and inclement weather throughout your Radion's daily cycle.

Full controllability - In artificial mode, control of all aspects of the Radion's functionality is enabled through the EcoSmart™ Configuration Utility.

STOP Changing a lighting condition within a cycle will not save that condition for the next time that cycle occurs. Duration of color or mode override is specified in the desktop configuration software. To permanently change a period's conditions, you must adjust through EcoSmart Configuration Utility.

STOP Night-period intensity levels are capped at a low percent. This level may still be too intense for some applications. To protect your aquarium, make sure to set your night mode intensity appropriately.

Natural Mode

NATURAL MODE replicates the continually changing color and intensity of sunlight over a tropical reef through sunrise, daylight, sunset and night time.

NATURAL MODE is enabled through USB connection. The LED indicator light will show a solid green, that indicates the Radion™ is in **NATURAL** MODE.
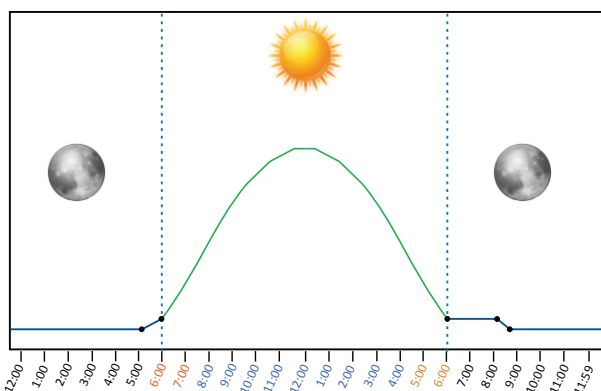

All of the advanced functionality in **NATURAL** MODE is programmed through USB PC connection. During **NATURAL** MODE, override controls are enabled. Additionally, night mode can be customized in the EcoSmart™ Desktop Utility.

NATURAL MODE has user-defined options, allowing the incorporation of an offset to replicate different ocean depths. Additionally, advanced light features can be enabled or disabled through EcoSmart™ Configuration Utility.

As the Earth rotates, a fixed location on the Earth is exposed to sunlight at a changing angle. Because of the atmosphere, this change results in the reflection of different wavelengths of light throughout the day.

Due to the curvature of the Earth, the closer a location, to the equator, the more intense the sunlight. Likewise, the more directly the sun is overhead (e.g. , early afternoon) the higher the intensity.

Incoming Sunlight

Surface Area Illuminated by Sunlight
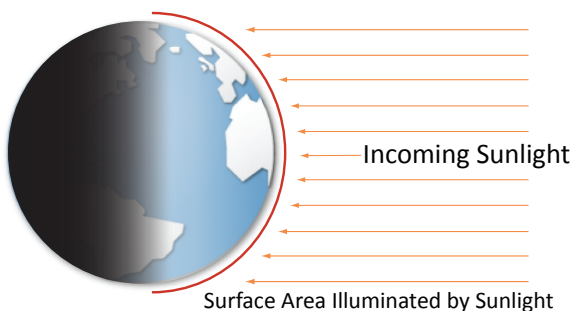
EcoSmart™ Configuration

Configuring the Radion™ is optional, however only **BASIC** MODE will be enabled until the Radion is configured using the PC-based EcoSmart™ Configuration Utility.
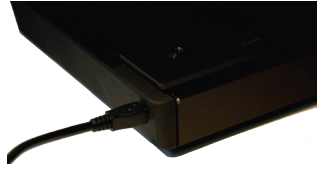
Until a time is set and ARTIFICIAL MODE replaces BASIC MODE as the Radion's default mode (through USB PC configuration) the Radion will remain on unless shut off or powered off. WARNING: Exposing any living organism to excessive light may result in damage or death.

1. Connect the included USB cable to the Radion USB port.
   NOTE: Make sure to remove the USB protective cover and when complete replace the USB protective cover.

2. Connect the USB cable to a computer that is running a compatible operating system*.

3. Visit ecotechmarine.com/support/downloads and download the current version of the EcoSmart Configuration Utility. If you need a CD copy of this software, please contact EcoTech Marine Support at 1-800-500-2907 or visit ecotechmarine.com/support.

4. Follow the on-screen instructions to install the software.

5. Follow the instructions embedded in the software to complete the setup of ARTIFICIAL MODE.

6. Follow the instructions embedded in the software to enable NATURAL MODE.

7. Unplug your Radion from your PC.

*The EcoSmart Configuration Utility currently supports Windows XP, Vista and 7. Check on EcoTech Marine's web site for the latest compatibility specifications.

Five-meter extended USB cable available at ecotechmarine.com/parts-store

Multiple Light Setup

STOP The wireless range of the Radion™ is roughly 25 feet (8 m).

STOP If you are planning on setting up multiple groups of Radions, please consult the documentation included with the EcoSmart™ Configuration Utility.

1. It is recommended that you configure all your lights as a group first using the EcoSmart Configuration Utility, unless you do not have a computer near your tank.
2. Install the EcoSmart Configuration Utility (if you have not done so already). Download available: ecotechmarine.com/downloads
3. Plug in and power on all units that will be members of the group (read the entire quick-start manual first).
4. Connect one member of the group to your PC and open up the EcoSmart Configuration Utility.
5. Make sure all your Radion units are visible in the EcoSmart Configuration Utility.
6. Follow on-screen instructions and complete configuration and mounting setup (read the entire quick-start manual first).

Hanging Your Radion™

Included with the Radion are four eyelet screws that can be attached to the Radion at the four corner mounting points.
Note: The corner mounting points have M5-0.8mm threads.

1. Screw in eyelet screws (included).
2. Attach hanging material to eyelets (not included).
3. Secure to hood, ceiling or other mount.
4. Ensure Radion is securely fastened and will not fall or get wet.

Advanced Hanging Kit Sold Separately

STOP Warning: Do not mount in a completely sealed environment. This will not allow for effective dissipation. Water damage will not be covered under warranty.

Premium EcoTech Marine Hanging Kit available from your retailer or online at
ecotechmarine.com/parts-store

Powering on the Radion

Once the Radion is configured (optional) and mounted, it is time to power on the fixture.

STOP Warning: Before powering on, make sure that cables and plugs are dry and that a drip loop has been created in the power cable. Failure to adhere safe practices when using electrical devices around water may result in injury, fire or death.

1. Make sure the USB cable is unplugged (if optional configuration was completed). Make sure the Radion is securely mounted.
2. Secure cables and transformer where they will not get wet or fall into tank.
3. Connect the Radion to power supply.
4. Plug power supply into your power outlet.

Capacitive Button Controls

Cycle Through Preconfigured Colors

Tap Cycle: This will cycle through preconfigured colors. This color change is temporary when in ARTIFICIAL or NATURAL MODES.
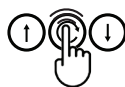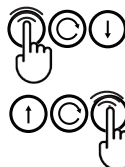
Increase/Decrease Intensity

Tap Raise: Increase light intensity.
Tap Lower: Decrease light intensity.
These intensity changes are only temporary when in ARTIFICIAL or NATURAL MODES.

*Change Mode

Hold Cycle: This will change between ARTIFICIAL and NATURAL MODES.

*Override

Hold Cycle and Raise: **When in night mode**, this button combination will go to day mode*. Your Radion™ will then stay in day mode until the override period has elapsed (the override period is defined in the EcoSmart™ Configuration Utility).
*Day mode when overridden is Basic Mode Functionality.

Hold Cycle and Lower: **When in day mode**, this button combination will go to night mode*. Your Radion will then stay in night mode until the override period has elapsed (the override period is defined in the EcoSmart Configuration Utility).
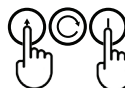
*Night mode when overridden is Basic Mode Functionality.
**When in night mode, you can opt in/out of also putting any wireless enabled EcoSmart VorTech™ Pump within range into night mode.
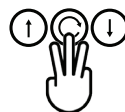
Feed Mode

Hold Raise and Lower: This will also communicate to any wireless-enabled EcoSmart VorTech Pumps within range to go into feed mode.

Power Off (Acclimate)

Hold Raise, Cycle and Lower: When enabled, acclimate mode will turn light off until the next-day cycle begins to help newly introduced fish acclimate.

Thunderstorm

Swipe Left and Tap Lower: Starts a Thunderstorm. This will dim the lights to simulate cloud cover as well as flash the light randomly to simulate lightning. Press Cycle to return to normal operation.
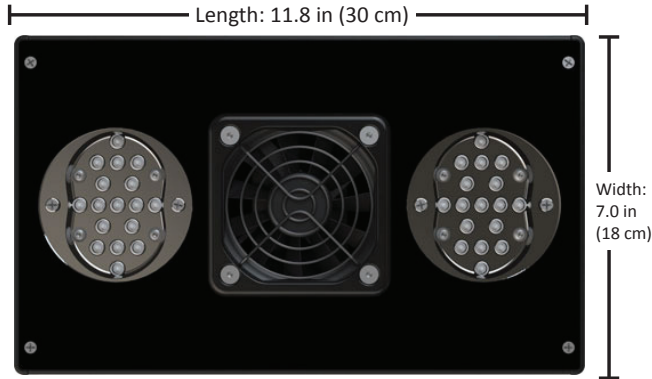
Demo Mode

Swipe Right and Tap Raise: Turns light into demo mode. This mode will cycle through preconfigured colors. These are the same preconfigured colors as in Basic Mode. Press Cycle to return to normal operation.

*Only available after configuring Radion via USB

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Specifications

Length: 11.8 in (30 cm)

Width: 7.0 in (18 cm)

Bottom View

Depth: 1.5 in (3.9 cm)

Side View

Halide to Radion™ Comparison

Halide	Radion XR30w
250watt bulb = 1x XR30w (130watt)	

Max Coverage Area Per Fixture:
24 x 24 inches (61 x 61 cm)
Input: 120 V-240 V
Variable Usage (Max.): 130Watts

LED Cluster Specifications

CHANNEL	COLOR	MANUFACTURER	# LEDS	MAX. WATTAGE PER CHANNEL
1	Cool White	CREE	8	40
2	Royal Blue	CREE	10	30
3	Blue	CREE	8	24
4	Green	CREE	4	14
5	Hyper Red	OSRAM	4	10

Output Spectrum Graph

Chart shows maximum output on all channels

INTENSITY
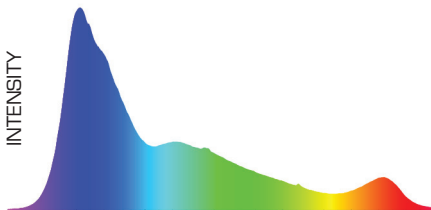
PAR Distribution

PAR Profile for 30 x 30 inches (75 x 75 cm)
(shown at a height of 12 inches (30 cm))

30 INCHES

30 INCHES

500

0

Patents Pending
Specifications Subject to Change

Troubleshooting

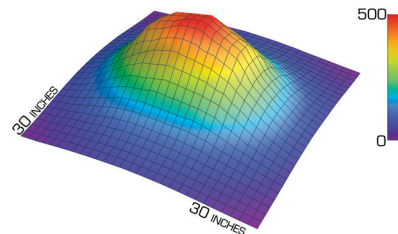| Problem	Action
Light will not turn on.	Check power connections. Check outlet power. If radion still does not power on, contact customer support.
Capacitive touch buttons are not responding as expected.	Check LED to determine operational mode and consult user manual for specific capacitive button controls.
Radion will not connect to PC	Check USB connections and verify you have a compatible operating system. If Radion is not recognized when plugged in via USB, reboot computer and reconnect.
Indicator light is blinking white	Unplug the Radion from USB, then unplug power supply. Plug in power supply and reconnect USB.
Indicator light is blinking red/yellow or red/green	Verify that the fan is running and there is nothing obstructing it. Make sure that your Radion has adequate ventilation.
Radion will not communicate with other units.	Consult user manual to make sure you have followed procedures for multiple unit connection. Check to make sure units are within twenty five feet of PC connected unit during configuration.

EcoTech Marine Community

EcoTech Marine Community is another tool for users to troubleshoot and learn about EcoTech products. For additional information about your Radion, please visit us at community.ecotechmarine.com.

Limited Warranty

IMPORTANT NOTICE: Read this entire Limited Warranty before purchasing, installing, or using this product. By purchasing, install-ing, or using this product, you are acknowledging that this Limited Warranty is part of the sale terms.

COVERED PRODUCTS. This Limited Warranty applies to the following Radion fixture (hereinafter referred to as the "Covered Products"). EcoTech Marine makes the following express limited warranties for the Covered Products purchased within the United States, subject to the conditions and limitations stated below. These limited warranties are the exclusive warranties for the Cov-ered Products. EcoTech Marine disclaims all warranties, express or implied, for other products.

LIMITED WARRANTIES. The Radion is warranted to be free from defects in material and workmanship under normal use for period of (1) year from the date of original purchase. The LED bulbs clusters in the Radion are warranted to be free from defects in material and workmanship under normal use for period of (2) years from the date of original purchase. This limited warranty is extended to the original buyer of the Covered Products (the "Buyer"). EcoTech Marine disclaims all warranties, express or implied, to subsequent purchasers or users. If the Buyer gives EcoTech Marine notice as required below of a defect in materials or work-manship, EcoTech Marine shall, at its sole option: (1) repair or replace the defective products; or (2) refund the original purchase price. Replacement products may not exactly match replaced products. EcoTech Marine shall not be held liable for damage to any aquarium, aquarium life forms, or other personal objects due to improper use of the Covered Products.

FAILURE TO COMPLY WITH THE INSTALLATION AND OPERATING INSTRUCTIONS VOIDS ALL WARRANTIES UNLESS THE BUYER ES-TABLISHES THAT THE DEFECTIVE CONDITION IS NOT RELATED TO SUCH NONCOMPLIANCE. This Limited Warranty does not extend to the use of the Covered Products under abnormal conditions, conditions that exceed the stated performance parameters of the products as provided on the product labeling and in the manual or instructions provided with the Covered Products, or under conditions not reasonably foreseeable to, or beyond the control of, EcoTech Marine. Buyer assumes all risk of any such use. Any attempts at self- repair shall void this limited warranty.

WHAT THIS LIMITED WARRANTY DOES NOT COVER. EcoTech Marine is not responsible for and makes no warranties as to the following: 1) product failures or damage due to normal wear and tear, exposure to excessive heat or moisture, corrosive chemicals or substances, improper installation, defects or conditions of the existing structure, misuse, abuse, modifications, and alterations; and 2) minor imperfections that do not affect the Covered Product's structural integrity or use.

DISCLAIMER OF IMPLIED WARRANTIES. Neither EcoTech Marine, nor its authorized dealers, make any other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose. In the event this disclaimer is deemed limited or ineffective, the terms and limitations of any implied warranties shall be the same as the express limited warran-ties contained herein.

LIMITATION OF LIABILITY. ALL WARRANTIES ARE VOID IF THERE IS DAMAGE TO THE COVERED PRODUCTS THAT IS NOT A RESULT OF A DEFECT IN THE MATERIALS OR WORKMANSHIP. THE SOLE AND EXCLUSIVE REMEDY FOR ALL CLAIMS THAT YOU MAY HAVE ARISING OUT OF OR IN CONNECTION WITH YOUR USE OF THIS PRODUCT, WHETHER MADE OR SUFFERED BY YOU OR ANOTHER PERSON AND WHETHER BASED IN CONTRACT OR TORT, SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT. IN NO EVENT WILL ECOTECH MARINE BE LIABLE TO YOU OR ANY OTHER PARTY FOR ANY DIRECT, INDIRECT, GENERAL, SPECIAL, INCIDENTAL, CON-SEQUENTIAL, EXEMPLARY OR OTHER DAMAGES ARISING OUT OF THE USE OR INABILITY OF TO USE THE PRODUCT (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION OR ANY OTHER PECUNIARY LOSS, DAMAGE TO YOUR AQUARIUM OR ANY AQUARIUM INHABITANTS, DAMAGE TO PLANTS OR LIVESTOCK), OR FROM ANY BREACH OF WARRANTY, EVEN IF ECOTECH MARINE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO CASE SHALL ECOTECH MARINE'S LIABILITY EXCEED THE AMOUNT YOU PAID FOR THE PRODUCT. IF YOU DISAGREE WITH THESE TERMS AND CONDITIONS DO NOT USE THE COVERED PRODUCTS.

NOTICE OF CLAIM. Buyer shall promptly notify EcoTech Marine of any claim under this Limited Warranty. EcoTech Marine re-serves the right to deny any claims made by the Buyer more than one (1) year after any defect or other basis of a claim covered by this Limited Warranty is discovered by the Buyer or should have been discovered by the Buyer.

CLAIM PROCEDURE. To obtain warranty service or technical support, please contact EcoTech Marine's customer service depart-ment at (610) 954-8480. You will receive instructions on how to return the product for repair or replacement. To take advantage of this Limited Warranty you will be required to supply an original point of purchase receipt.   Buyer shall be responsible for shipment and insurance costs to send Covered Products to EcoTech Marine.

ENTIRE AGREEMENT. This Limited Warranty, and all of the terms and limitations contained herein, constitutes the entire agree-ment between EcoTech Marine and the Buyer. By purchasing, installing, or using the Covered Products, Buyer is not relying on any oral statements made by anyone, including its authorized dealers, which are in any way different or contrary to the terms and limitations of this Limited Warranty. By purchasing, installing, or using any of the Covered Products, Buyer acknowledges that authorized dealerships are not agents of EcoTech Marine and any statements or representations made by authorized dealerships and their employees are not attributable to EcoTech Marine.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. EcoTech Marine's warranty is governed by the laws of the Commonwealth of Pennsylvania, excluding its conflict of laws principles and excluding the provisions of the United Nations Convention on Contracts for the International Sale of Goods. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. If EcoTech Marine provides any of the remedies identified above (i.e. repair, replace, or return of the original purchase price), then Buyer agrees that this limitation of remedy shall not have failed the essential purpose of the Limited Warranty.

FCC & CE Information

• This product carries an ingress protection rating of IPX0 and must not be immersed in water.
• Danger: To avoid possible electrical shock, special care should be taken since water is employed in the use of aquarium equipment.
• DO NOT attempt repairs yourself; return the appliance to the manufacturer for service or discard.
• DO NOT immerse in water. If the appliance falls into the water, DON'T reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately (non-immersible equipment only).
• Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
• The Radion is NOT WATERPROOF; water can permanently damage it. This damage IS NOT covered under warranty. Protect these components from splashes, drips, or other contact with water.
• Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner. The power cord of this appliance cannot be replaced: If the cord is damaged, the appliance should be discarded. Never cut the cord. DO NOT DROP. The Radion Light is fragile, and a fall onto a hard surface can result in permanent damage. Damage may include cracking of the ceramic axle within the Wet Side or a loud Dry Side. Damage from dropping IS NOT covered under warranty.
• Position the aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip-loop" should be employed for each cord connecting an aquarium appliance to a receptacle. A "drip-loop" is the part of the cord below the level of the receptacle (or the connector if an extension cord), to prevent water from travelling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance, then unplug and examine for presence of water in the receptacle.
• Close supervision is necessary when an appliance is used by or near children. Keep out of reach of young children.
• Always unplug appliance from outlet and battery backup when not in use, before putting on or taking off parts, and before cleaning.
• Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
• Do not use appliance for other than intended use. The use of attachments not recommended or sold by the manufacturer may cause an unsafe condition.
• Do not install or store the appliance where it will be exposed to weather or to temperatures below freezing.
• Make sure appliance is securely installed before operating it. Read and observe all the important notices on the appliance.
• If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
• This appliance utilizes extremely powerful magnets that can cause severe personal injury.
• Do not operate the Radion in an enclosure that does not allow for proper air circulation.
• Do not attempt to dismantle or modify LED arrays or driver board assemblies as this may result in injury and will void the warranty.

RF Module Important Information:
The product you have purchased contains the EcoTech Marine RF Module, part number 10169. This module gives your product the ability to communicate wirelessly to other EcoTech Marine products as well as certain other manufacturer's products that were designed in compliance with the specifications for our RF Module. Use of this module in products not consented by EcoTech Marine is prohibited. This product is for indoor usage only.

For France:
Français: Cet équipement est prévu uniquement pour un usage à l'intérieur des bâtiments
English: This device is intended for indoor use only.

European Union - Disposal Information:
This symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

FCC Compliance Statement
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation. Any changes or modifications not expressly approved by EcoTech Marine could void the user's authority to operate the RF module, and/or the product that incorporates the RF Module. The user is cautioned to maintain a 20cm (8 inch) spacing from the product to ensure compliance with FCC regulations.

CE Declaration of Conformity
The equipment complies with the RF exposure Requirement 1999/5/EEC, Council Reccomendation on the limitation of exposure of the general public to electromagnetic fields (0-300 GHz). This equipment meets the following conformance standards:
EN 300 328, EN 301 489-17

This device contains:
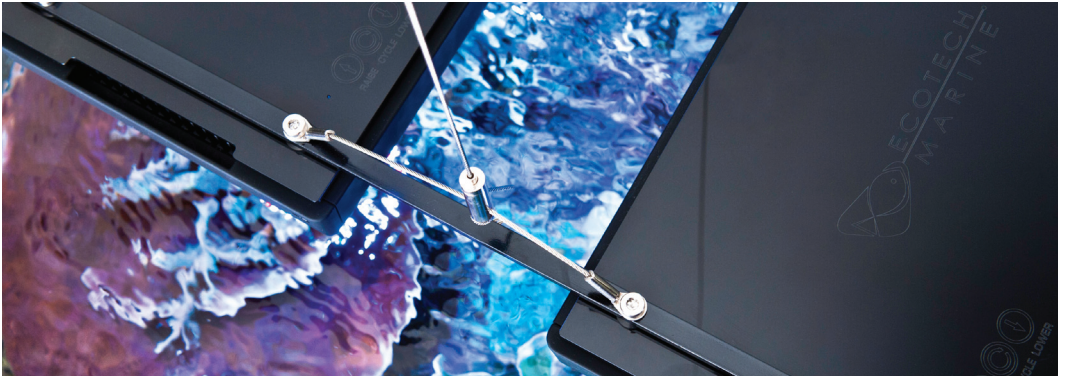EcoTech Marine's RF Module
Part Number: 10169
FCC ID: VKB271829
IC: 7349A-271829

0981

RoHS Compliant

Radion can be used in the following countries:

AT	BG	BE	CY	CZ	DK
EE	FI	FR	DE	GR	HU
IE	IT	LV	LT	LU	MT
NL	PL	PT	RO	SK	SL
ES	SE	GB	IS	LI	NO
CH					

ECOTECH MARINE ®

www.ecotechmarine.com

VORTECH™ PROPELLER PUMPS

RADION™ LED LIGHTING

ECOTECH ACCESSORIES
BATTERY BACKUP

ECOTECH ELEMENTS
CORAL GLUE

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